

## **Historic, Archive Document**

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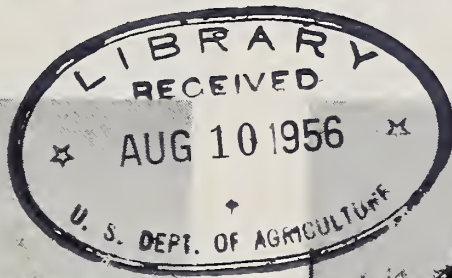
# U.S. DEPARTMENT OF AGRICULTURE

## Office of Information

USDA PHOTOGRAPHS showing livestock-disease research activities at the Plum Island Animal Disease Laboratory of the Department's Agricultural Research Service, located at the eastern end of Long Island, New York.

PHOTO SERIES 2

May 1956



1--N-16410



4--N-16390



2--N-16378



5--N-16393



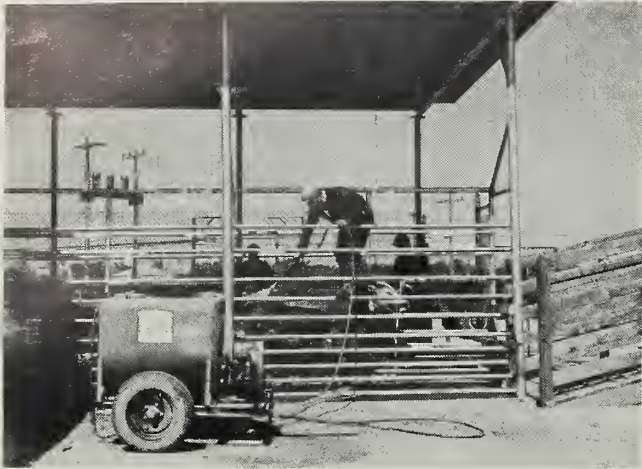
3--N-16383



6--N-16395

USDA photo service to Farm Magazine and Newspaper Editors - Division of Photography, Office of Information, USDA, Washington 25, D. C.





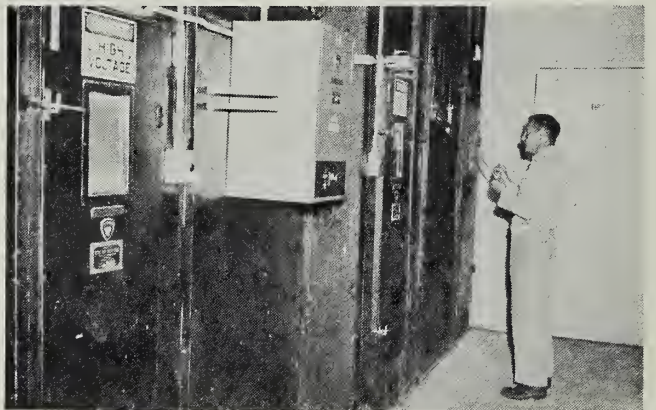
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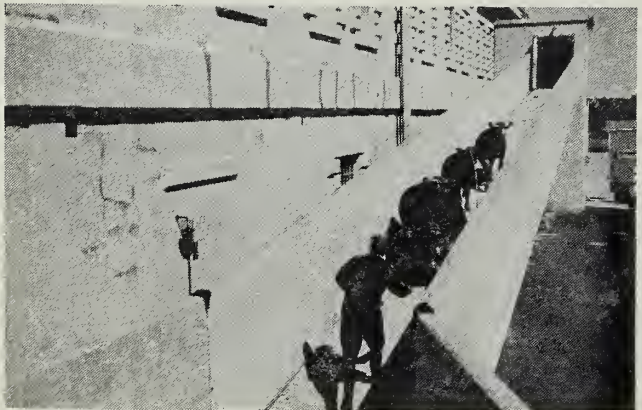
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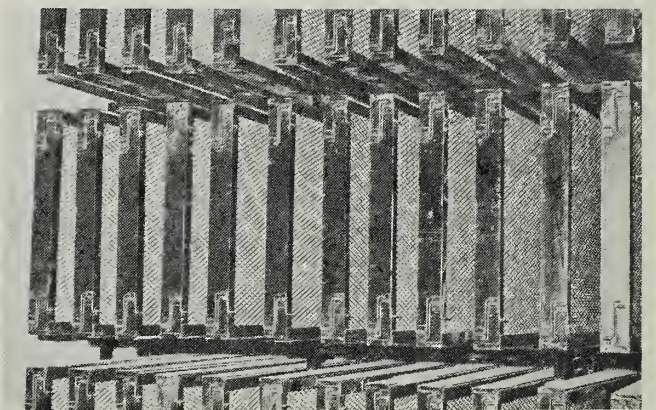
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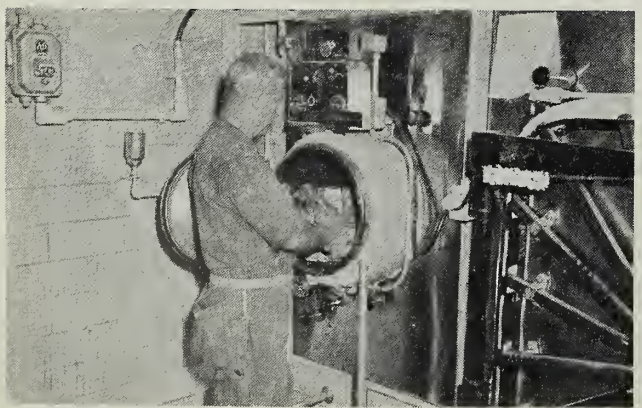
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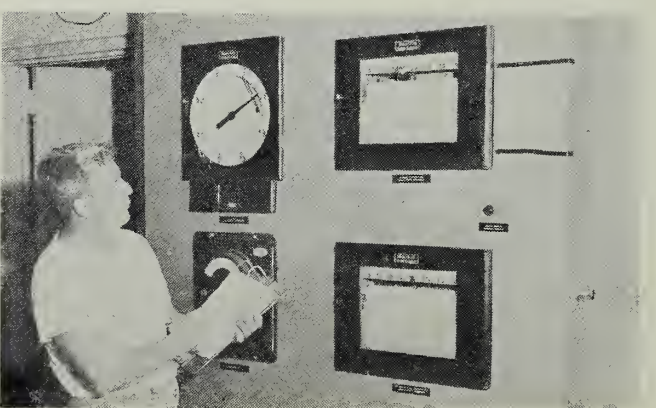
9--N-16332



13--N-16377



10--N-16343



14--N-16346





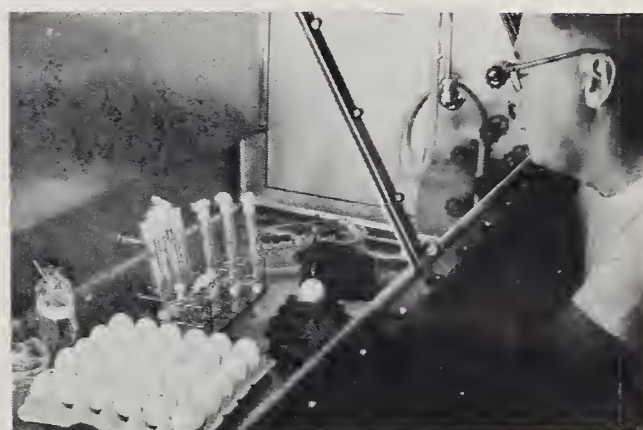
15--N-16361



19--DN-835



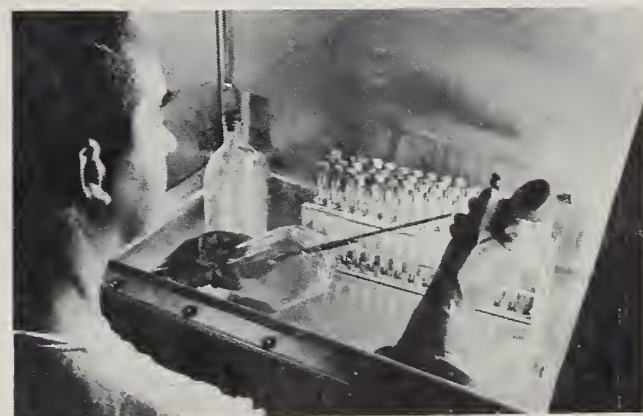
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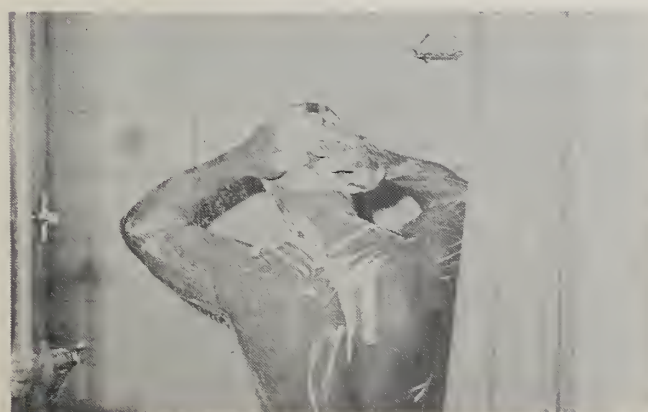
20--N-16363



17--N-16339



21--N-16371



18--N-16337



22--N-16412



- 1--N-16410--Plum Island, New York, is located off Orient Point at the eastern end of Long Island. The entire 800-acre island, about 3 miles long and 1 mile across at its widest point, is devoted to animal-disease research facilities operated by the U. S. Department of Agriculture.
- 2--N-16378--Commercial shipper, under contract with USDA, delivers cattle to transfer station in eastern Long Island, N. Y. for transshipment to the Plum Island Animal Disease Laboratory.
- 3--N-16383--Cattle in this shipment are whitefaced Hereford steers, 1½ to 2 years old, and--like all animals destined for the laboratory--they are healthy.
- 4--N-16390--Cattle are loaded on Government truck at Long Island transfer station for 46-mile trip to Plum Island laboratory.
- 5--N-16393--At Orient Point, the Government truck carrying cattle from the Long Island transfer station is backed aboard this ferry for the 1½-mile over-water trip to Plum Island.
- 6--N-16395--Government truck backs up to receiving dock at Plum Island harbor transfer station to unload shipment of cattle.
- 7--N-16398--Cattle received for Plum Island Animal Disease Laboratory are sprayed with insecticidal solution to destroy external parasites before animals are trucked to quarantine areas on the island.
- 8--N-16401--Old Coast Artillery gun emplacements on Plum Island provide temporary, secure quarantine areas for animals delivered for use in Animal Disease Laboratory.
- 9--N-16332--Cattle brought from quarantine area on the island by truck and unloaded at transfer station leading into laboratory compound, move up this outside ramp and through air lock at top to enter the Animal Disease Laboratory building.
- 10--N-16343--All materials received into the laboratory building at Plum Island are passed through previously sterilized autoclaves.
- 11--N-16348--Incinerator is used to burn all refuse and carcasses of animals used in virus research at the laboratory.
- 12--N-16345--Instruments indicating efficiency of air-filtration equipment inside laboratory are checked by operating engineer.
- 13--N-16377--Bank of bacteriological filters is used for final filtration of exhaust air from the laboratory.
- 14--N-16346--Temperature and time recording instruments, giving constant indication of sewage-sterilizing operations at the laboratory, are checked by operating engineer. This special sewage system is capable of handling 28,800 gallons of sewage per day, or 20 gallons per minute. All sewage is heat treated.
- 15--N-16361--Virus-infected steer has large blisters (white areas) on heels, causing lameness typical of foot-and-mouth disease.
- 16--N-16360--Eroded areas on upper lip of steer infected with foot-and-mouth virus are typical lesions of the disease.
- 17--N-16339--Animal room inside the laboratory is cleaned and disinfected after use in virus-disease studies.
- 18--N-16337--An employee leaving the laboratory building must take a complete shower before entering the exterior locker room and putting on street clothing.
- 19--DN-835--Virus of foot-and-mouth disease was brought to the island in a single specially packed and transported shipment from England in the spring of 1954.
- 20--N-16363--Inoculation of embryonating (fertile) eggs with virus under bacteriological hood. The egg provides a naturally packaged medium for virus culture.
- 21--N-16371--Inoculation of tissue-culture flasks and test tubes with virus under a bacteriological hood.
- 22--N-16412--Administrative staff of Plum Island Animal Disease Laboratory in office of the director.